



PRESS RELEASE

For immediate release

**OPSENS COMPLETES WITH SUCCESS THE EVALUATION OF ITS SIGNAL
CONDITIONER FROM AN EUROPEAN MEDICAL CUSTOMER**

Quebec City, Quebec, August 13 2007 – Opsens Inc. (TSX VENTURE EXCHANGE: OPS) (« Opsens ») announces an order awarded from a medical global technology leader for an amount over \$100,000 for the supply of LifeSens OEM board based on its patent-pending White-Light Polarization Interferometry (WLPI) technology.

This additional recognition follows an initial order disclosed on March 22, 2007 of 50 units of LifeSens OEM board, a system designed for the medical industry, delivered to evaluate Opsens as a high-volume supplier. This evaluation has been a success. The new granted order should be the last step before Opsens obtains a large order which is expected in a short term window to meet customer needs.

“The appreciation of the LifeSens by the customer reflects Opsens’ capacity in supplying leading solutions that meet the stringent requirements in the medical industry. Opsens’ signal conditioner and miniature optical pressure sensor of 0.4 mm meets not only our client’s needs in system accuracy, but also in size and in cost. In addition, Opsens works with a pool of high-potential clients in the medical industry.” said Claude Belleville, vice-president, medical.

Opsens’ miniature pressure sensor permits the reduction of catheter size which represents a considerably advantage against conventional system. The ability in size reduction allows lesser invasive catheterization practices, enables new practices which were not possible in the past; provides extended capabilities for new applications yet, delivering high fidelity pressure measurement. The advantages inherent to optical sensors as the immunity to magnetic resonance imaging (MRI) and radiofrequency interference (RFI) make it the only sensor safe for magnetic resonance and electro-surgery environments which, are increasingly employed in the medical practices. The single-use optical pressure sensor will also create recurring revenue in the medical industry.

About Opsens

Opsens is a leading developer, manufacturer and supplier of a wide range of fiber optic sensors and associated signal conditioners based on proprietary and patent-pending technologies. Opsens sensors provide long-term accuracy and reliability in the harshest environments. Opsens provides sensors to measure pressure, temperature, strain and displacement to original equipment manufacturers (OEM) and end-users in the oil and gas, medical, energy and laboratory fields. Opsens offers technical services, such as on site installation, training and turnkey fiber optic systems.

The TSX Venture Exchange does not accept responsibility for the adequacy or accuracy of this press release.

Forward-looking statements contained in this press release involve known and unknown risks, uncertainties and other factors that may cause actual results, performance and achievements of Opsens to be materially different from any future results, performance or achievements expressed or implied by the said forward-looking statements.

- 30 -

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